

CLAIMS

1. A heater resistance (2) in particular for heating a solid part (20), the resistance comprising:

- an electric wire (10); and
 - 5 - a ceramic sheath (16) surrounding the wire;
- the resistance being characterized in that the sheath comprises a woven layer.

2. A heater resistance according to the preceding claim,
10 characterized in that the woven layer (16) comprises threads of alumina (Al_2O_3).

3. A heater resistance according any preceding claim,
characterized in that the woven layer (16) comprises
15 threads of silica (SiO_2).

4. A heater resistance according any preceding claim,
characterized in that the woven layer (16) comprises
threads of borate (B_2O_3).

5. A heater resistance according to any preceding claim,
characterized in that it further comprises a mass (14) of
electrically insulating material, preferably interposed
between the wire (10) and the sheath (16).

25 6. A heater resistance according the preceding claim,
characterized in that the insulating mass (14) is
constituted by a mineral, e.g. magnesia (MgO).

30 7. A heater resistance according any preceding claim,
characterized in that it presents a portion (6) of
generally elongate shape.

8. A heater resistance according any preceding claim,
35 characterized in that it includes a connector (4) and
presents a heater segment (6) and a connection segment
(8) adjacent to the connector, the wire (10) having a

cross-section in the connection section of area that is greater than the area of the cross-section of the wire in the heater segment.

- 5 9. A heater resistance according any preceding claim, characterized in that it includes a connector (4) and a portion (8) adjacent to the connector that is tapering in shape. *m*
- 10 10. A member (20), in particular a probe mounted on board a vehicle for measuring an air flow parameter, such as temperature, the member comprising a body (22) and being characterized in that it includes at least one heater resistance (2) according to any preceding claim, the
15 heater resistance being secured to the body. *m*
11. A member according to the preceding claim, characterized in that the heater resistance (2) is of a shape that is not plane.
- 20 12. A member according to claim 10 or claim 11, characterized in that the heater resistance (2) extends at the outside of the body (22). *m*
- 25 13. A method of fabricating a member (20), in particular a probe for mounting on board a vehicle for measuring an air flow parameter such as temperature, the method being characterized in that a resistance (2) according to any
30 one of claims 1 to 9 is deformed in order to enable it to be secured to a body (22) of the member. *m*